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**Bitumen-polymer binder cationic emulsions - using N-contg. emulsifier
system contg. N-contg. carboxylic acid salt as sequestering agent**

Patent Assignee: DEMANGEON F (DEMA-I); ELF FRANCE (ERAP)

Inventor: LOPEZ E; DEMANGEON F

Number of Countries: 018 Number of Patents: 017

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8604916	A	19860828	WO 86FR40	A	19860212	198636	B
FR 2577546	A	19860822	FR 852212	A	19850215	198640	
AU 8654534	A	19860910				198649	
NO 8604104	A	19861229				198707	
EP 214171	A	19870318	EP 86901095	A	19860212	198711	
BR 8605559	A	19870422				198719	
JP 62501853	W	19870723	JP 86501042	A	19860212	198735	
ES 8706098	A	19870816	ES 551998	A	19860214	198736	
DK 8604930	A	19861015				198747	
EP 214171	B	19900502				199018	
DE 3670856	G	19900607				199024	
CA 1271278	A	19900703				199032	
US 5268029	A	19931207	US 89425379	A	19891016	199350	
			US 91762727	A	19910917		
JP 94039571	B2	19940525	JP 86501042	A	19860212	199419	
			WO 86FR41	A	19860212		
JP 6319975	A	19941122	JP 86501042	A	19860212	199506	
			JP 93289586	A	19860212		
DK 170621	B	19951113	WO 86FR41	A	19860212	199551	
			DK 864930	A	19861015		
JP 2532027	B2	19960911	JP 86501042	A	19860212	199641	
			JP 93289586	A	19860212		

Priority Applications (No Type Date): FR 852212 A 19850215

Cited Patents: EP 80928; FR 1458754; FR 1576697; FR 2249915; FR 2479019

Patent Details:

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US 5268029 A 16 C08L-095/00 Cont of application US 89425379

JP 94039571 B2 18 C08L-095/00 Based on patent JP 62501853

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JP 6319975 A 18 B01F-017/16 Div ex application JP 86501042

DK 170621 B C08L-095/00 Previous Publ. patent DK 8604930

JP 2532027 B2 20 B01F-017/16 Div ex application JP 86501042

Previous Publ. patent JP 6319975

Abstract (Basic): WO 8604916 A

Novel cationic emulsions comprise a dispersion of bitumen/polymer type binder as organic phase in an aq. phase contg. a cationic N-contg. emulsifier, an acid to give a pH 3-9 and an additive comprising a water soluble polyfunctional N-contg. carboxylic acid salt having, in pH range 3-9, a sequestering power w.r.t. metal ions equiv. to a fixation of at least 5 mg Ca++ ions per g. of salt. The emulsifying system is also claimed.

USE/ADVANTAGE - The emulsions are used e.g. for road applications. Use of the additive in the emulsifying system overcomes the harmful influence of interactions between solvent and emulsifier and between solvents and salts contained in the water. (53pp Dwg.No.0/0)

Title Terms: BITUMEN; POLYMER; BIND; CATION; EMULSION; N; CONTAIN; EMULSION; SYSTEM; CONTAIN; N; CONTAIN; CARBOXYLIC; ACID; SALT; SEQUESTER; AGENT

Derwent Class: A93; L02; Q41

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